

## **CLAIMS**

1. (Currently Amended) A method for operating a multi-mode mobile station comprising at least two antennas, wherein at least two modes operate within at least one common range of frequencies, comprising:

transmitting a signal from a first antenna circuit of the mobile station in the common range of frequencies; and

electronically detuning the resonance of a second antenna of the mobile station such that the resonance of the second antenna is mis-matched to the first antenna so as to reduce coupling of the transmitted signal from the first antenna into the second antenna, wherein the step of detuning comprises varying an impedance of at least one component that forms a part of the second antenna circuit.

2. (Original) A method as in claim 1, wherein the common range of frequencies comprises 1900MHz.

3. (Original) A method as in claim 1, wherein the common range of frequencies comprises 850MHz.

4. (Canceled)

5. (Currently Amended) A method as in claim 1 -4, wherein the at least one component is comprised of a stripline.

6. (Currently Amended) A method as in claim 1 -4, wherein the at least one component is comprised of a PIN diode.

7. (Currently Amended) A method as in claim 1 -4, wherein the at least one component is comprised of a variable capacitance.

8. (Currently Amended) A method as in claim 1 -4, wherein the at least one component is comprised of a FET diode.
9. (Original) A method as in claim 3, wherein the at least one component is comprised of an active component that is put into a passive state.
10. (Original) A method as in claim 1, wherein the step of detuning comprises operating at least one switch for adding a length of strip line to, or for subtracting a length of strip line from, the second antenna circuit.
11. (Original) A method as in claim 1, wherein the step of detuning comprises operating at least one switch for connecting a length of strip line to ground, or for disconnecting a length of strip line from ground.
12. (Currently Amended) A multi-mode mobile station comprising at least two antennas, wherein at least two modes operate within at least one common range of frequencies, comprising:
- for each mode, a transmitter circuit comprising an antenna circuit that operates in the common range of frequencies; and
- a controller, responsive to a first one of said transmitter circuits transmitting, for electronically detuning the resonance of a second antenna of the mobile station such that the resonance of the second antenna is mis-matched to the first antenna so as to reduce coupling of the transmitted signal from the first antenna into the second antenna, wherein the controller, when detuning, varies an impedance of at least one component that forms a part of the second antenna circuit.

13. (Original) A multi-mode mobile station as in claim 12, wherein the common range of frequencies comprises 1900MHz.
14. (Original) A multi-mode mobile station as in claim 12, wherein the common range of frequencies comprises 850MHz.
15. (Canceled)
16. (Currently Amended) A multi-mode mobile station as in claim 12 -~~15~~, wherein the at least one component is comprised of a stripline.
17. (Currently Amended) A multi-mode mobile station as in claim 12 -~~15~~, wherein the at least one component is comprised of a PIN diode.
18. (Currently Amended) A multi-mode mobile station as in claim 12 -~~15~~, wherein the at least one component is comprised of a variable capacitance.
19. (Currently Amended) A multi-mode mobile station as in claim 12 -~~15~~, wherein the at least one component is comprised of a FET diode.
20. (Currently Amended) A multi-mode mobile station as in claim 12 -~~15~~, wherein the at least one component is comprised of an active component that is put into a passive state.
21. (Original) A multi-mode mobile station as in claim 12, wherein the controller, when detuning, operates at least one switch for adding a length of strip line to, or subtracting a length of strip line from, the second antenna circuit.
22. (Original) A multi-mode mobile station as in claim 12, wherein the controller, when detuning, operates at least one switch for connecting a length of strip line to

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ground, or for disconnecting a length of strip line from ground.